

## EVALUATION OF A CODE SEGMENT

### ABSTRACT

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Methods, systems, and media to test a code segment of a source file are disclosed. Various embodiments machine-render a source code skeleton in response to a selection of the code segment, incorporate the code segment into the source code skeleton to generate a temporary source file, insert a monitoring statement into the temporary source file, and compile  
10 the temporary source file into a compiled program to output a result. Embodiments may further include executing the compiled program and outputting the result. In addition, some embodiments also initiate compilation of the temporary source file, attempt to resolve a compilation error, and output the compilation error. Some embodiments terminate execution in response to selection of a cancel button. Further, some embodiments delete the temporary source  
15 file. Several embodiments also include a file creator, a code gatherer, a code generator, an adaptive compiler, a processor, and an output device.